

## Bumper assembly

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US6398275 (B1)  
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**Cited documents:**  
US4542925  
US5785367  
EP1036715  
WO9811267  
US1348030

### Abstract of EP1199224

Hook (13) angled towards end of door column and provided to engage an opening in an inner shell metal of vehicle door, has hat-shaped cross-section. The hook is arranged at the end face (11) of end sections (9,10) of hat-shaped profiled section (6). The end sections are tapered towards the hook.

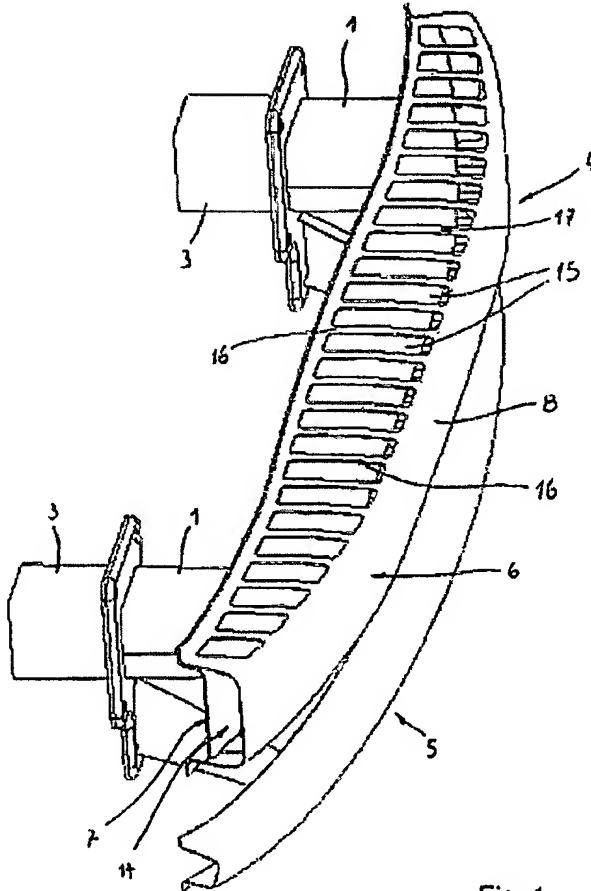


Fig. 1

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